

Norwegian Grammar Tutor

- Enter an ungrammatical sentence
- Recieve an error message
- Select the first MRS and classify it with Utool
- If the MRS is accepted, a button to generate is displayed

Norwegian Grammar Tutor

Demo with ACE, version 1.1. For further guidelines, see [Info](#)

Enter a sentence and press ENTER or press the Analyze button.

The word "mannet" is of masculine gender, not neuter. [More description](#)

Generate to Find Option(s)

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Enter a sentence and press ENTER or press the Analyze button.

Grammar Option(s) for Sentence

#	Sentence
---	----------

1	Mannen smiler
---	---------------

Error Message

```
536 head-subject-rule
  188 mal_neut_sg_def_for_masc_sg_def_final-full_irule
    176 sg-masc-def-noun-lxm-lrule
      2 mann_masc-reganim
        "mannel"
    179 pres-infl_rule
      4 smile_introrient
        "smiler"
```

1 find mal rule

```
if (var.equals("mal_neut_sg_def_for_masc_sg_def_final-full_irule")) {
  message="The word <fnutt>GET-PHRASE<fnutt> is of masculine gender, not neuter.";
}
```

2 Contains a tree processing function. Find every word under the mal rule.
Replace every <fnutt>GET-PHRASE<fnutt> with the found words

WebDemos

<http://regdili.idi.ntnu.no:8080/linguisticAce/parse>

<http://regdili.idi.ntnu.no:8080/studentAce/parse>

Norwegian Computational HPSG-Grammar NorSource

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Grammar
 MalGram
 NorSource

Select Grammar

#	Syntax	Mrs	Utool
1071	head-subject-rule	ltop=h0, index=e1	solvable=true
1014	mal-fem_spec-m_noun-head-spec-art-rule	h3: exactly_1_q_rel ([arg0:x2, rstr:h4, body:h5])	count=1
2	ei_indef-art	h6: _mann_n_rel ([arg0:x2])	fragments=3
	"ei"	h7: _smile_v_rel ([arg0:e1, arg1:x2])	chartsize=1
204	sg_ind_subst_irule	< geq(h4, h6) >	time=0
<input type="button" value="generate"/>	179 sg_indef_cum_det_noun_lxm_lrule	e1, sort=verb-act-specification, sf=prop, e.tense=pres, e.mood=indicative, e.aspect=semsort	
	4 mann_masc-reganim	x2, whf=, png.ng.num=sing, png.ng.gen=m, png.pers=thirdpers	
	"mann"		
198	pres_infl_rule		
7	smile_introrient		
	"smiler"		

A determiner must have the same gender, number and definiteness as the noun it modifies. [More description](#)

NOTE 1 readings, added 956 / 436 edges to chart (60 fully instantiated, 136 actives used, 39 passives used) RAM: 12304k

ACE Running Time 26(ms)

Syntax Tree

MRS

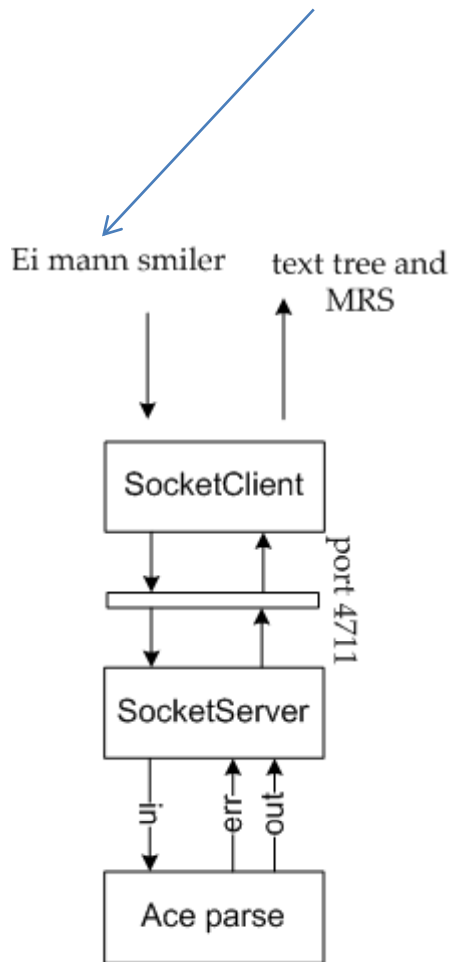
Utool Status

Generate Button

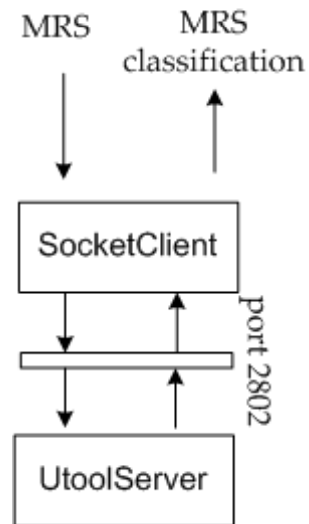
Feedback from ACE

Behind the Scene, Parse

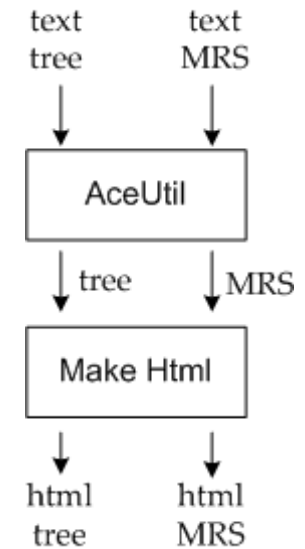
- 1 The analyse button enters the parse function.
The sentence is sent to ACE parse.



- 2 Classify MRS



- 3 Convert to HTML



Behind the Scene, Generate

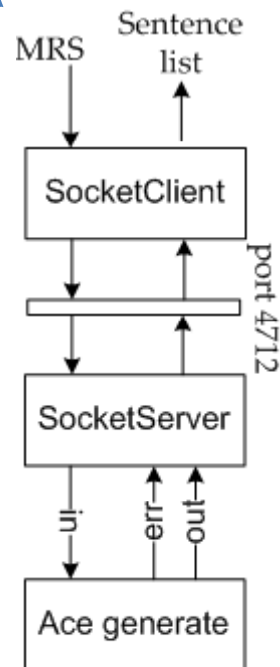
1

The generate button enters the generate function with the sentence and the MRS number



2

The sentence is parsed and the MRS number is selected. Send the MRS to ACE generate.



3

Present the list of sentences generated